

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number
WO 2005/097925 A1

(51) International Patent Classification⁷: **C09D 11/02**,
11/10, B41M 1/10

(74) Agent: **PERSLEY, Sidney**; 35 Waterview Boulevard, Parsippany, NJ 07054 (US).

(21) International Application Number:
PCT/US2005/010850

(22) International Filing Date: 30 March 2005 (30.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0407473.8 1 April 2004 (01.04.2004) GB
0420968.0 21 September 2004 (21.09.2004) GB
0502057.3 1 February 2005 (01.02.2005) GB

(71) Applicant (*for all designated States except US*): **SUN CHEMICAL CORPORATION** [US/US]; 35 Waterview Boulevard, Parsippany, NJ 07054 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **LEONARD, Michael, William** [GB/GB]; 4 Gun Back Lane, Horsmonden, Tonbridge, Kent TN12 8NL (GB). **DYER, John, Albert, Edward** [GB/GB]; 125 Felstead Road, Orpington, Kent TN2 8NL (GB). **TUCKER, James, Robert** [GB/GB]; 40 Faversham Road, Catford, London SE6 4XF (GB). **HERLIHY, Shaun, Lawrence** [GB/GB]; 6 Fagus Close, Walderslade, Chatham, Kent ME5 9DD (GB).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

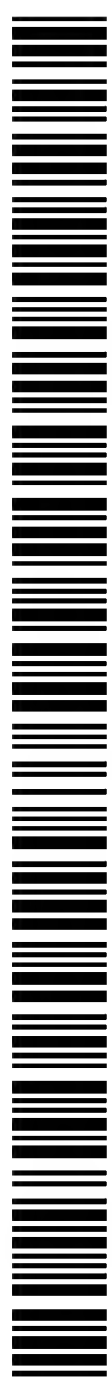
Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHOTOINITIATORS FOR USE IN INTAGLIO PRINTING INKS

(57) Abstract: An intaglio printing ink, curing by free radical acrylate chemistry, which does not fluoresce in at least the visible region under ultraviolet light is prepared by using an acylphosphine oxide as the photoinitiator.



WO 2005/097925 A1